

The Geological Survey and Resource Assessment Division



Department of Natural Resources

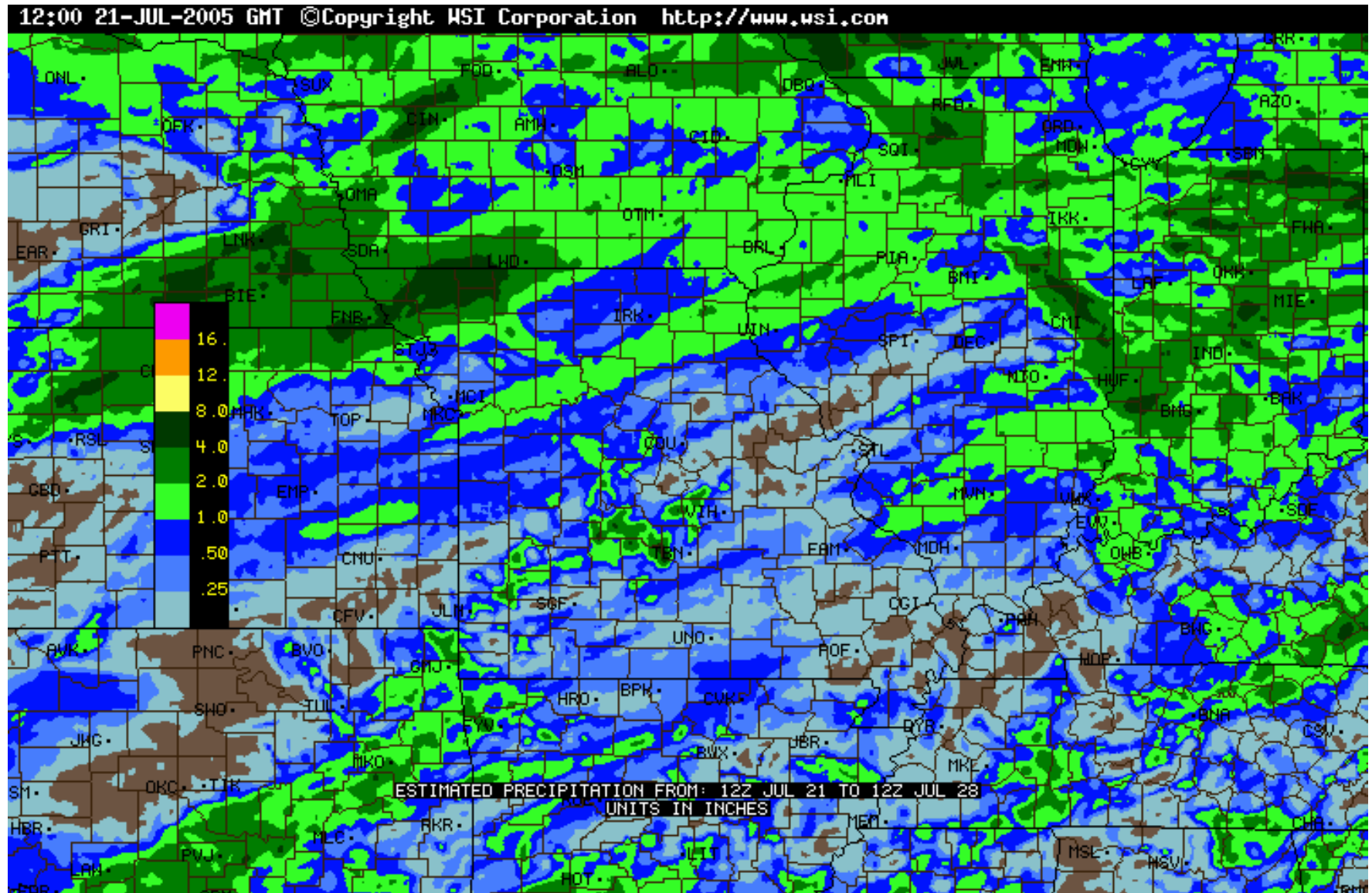
Drought Assessment Committee (DAC)

July 29, 2005

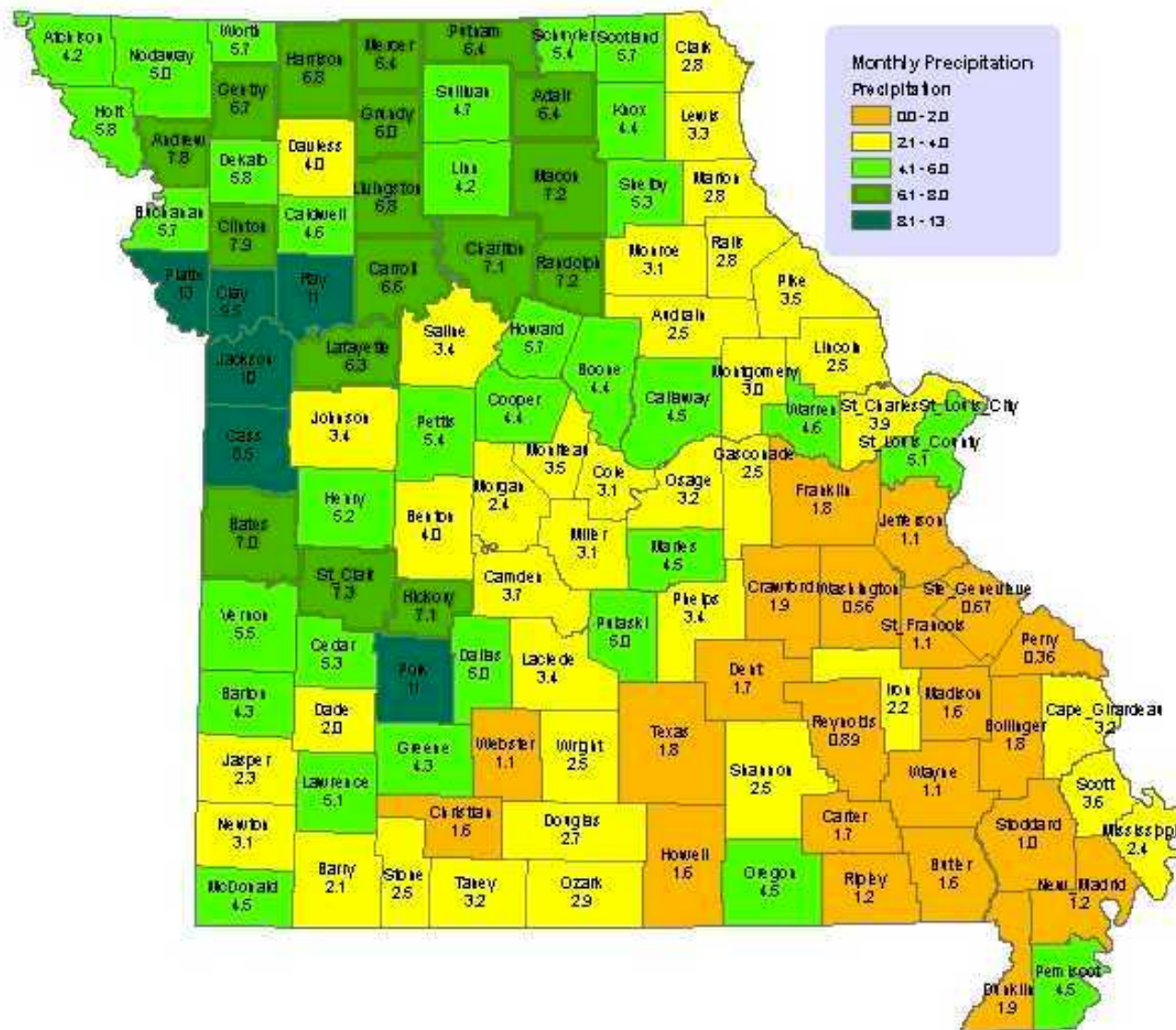


Department of Natural Resources

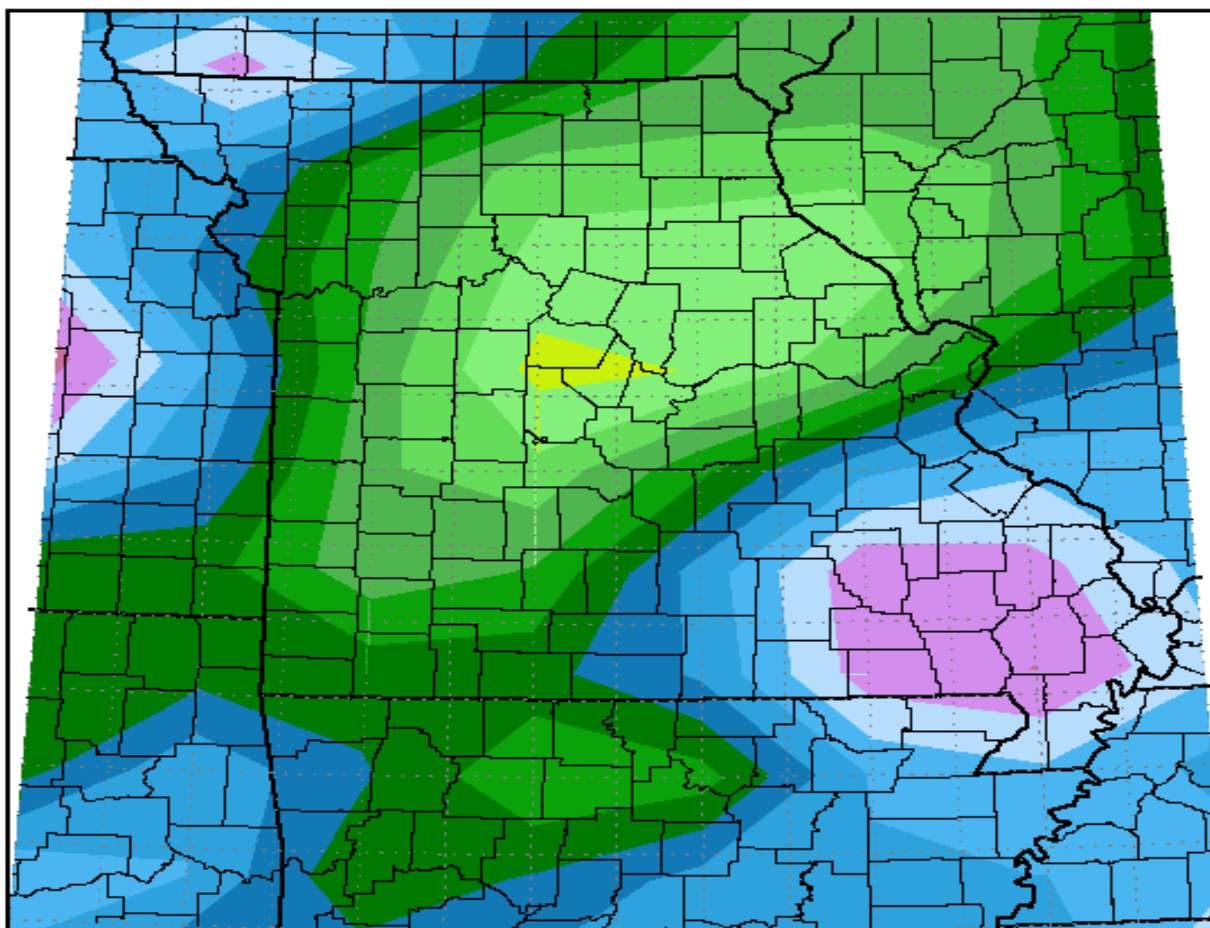
Rainfall July 21 to July 28, 2005



Monthly Precipitation by County (June, 2005)



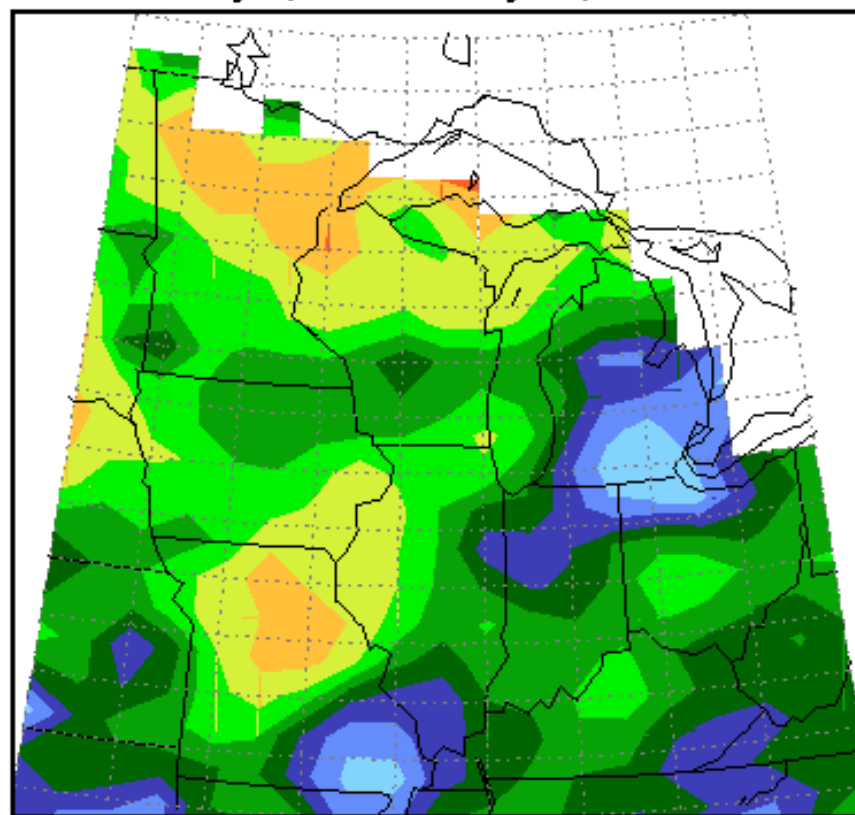
Total Precipitation in Inches
June 28, 2005 to July 27, 2005



Missouri Climate Center

Columbia, Missouri

**Total Precipitation Percent of Mean
July 1, 2005 to July 27, 2005**

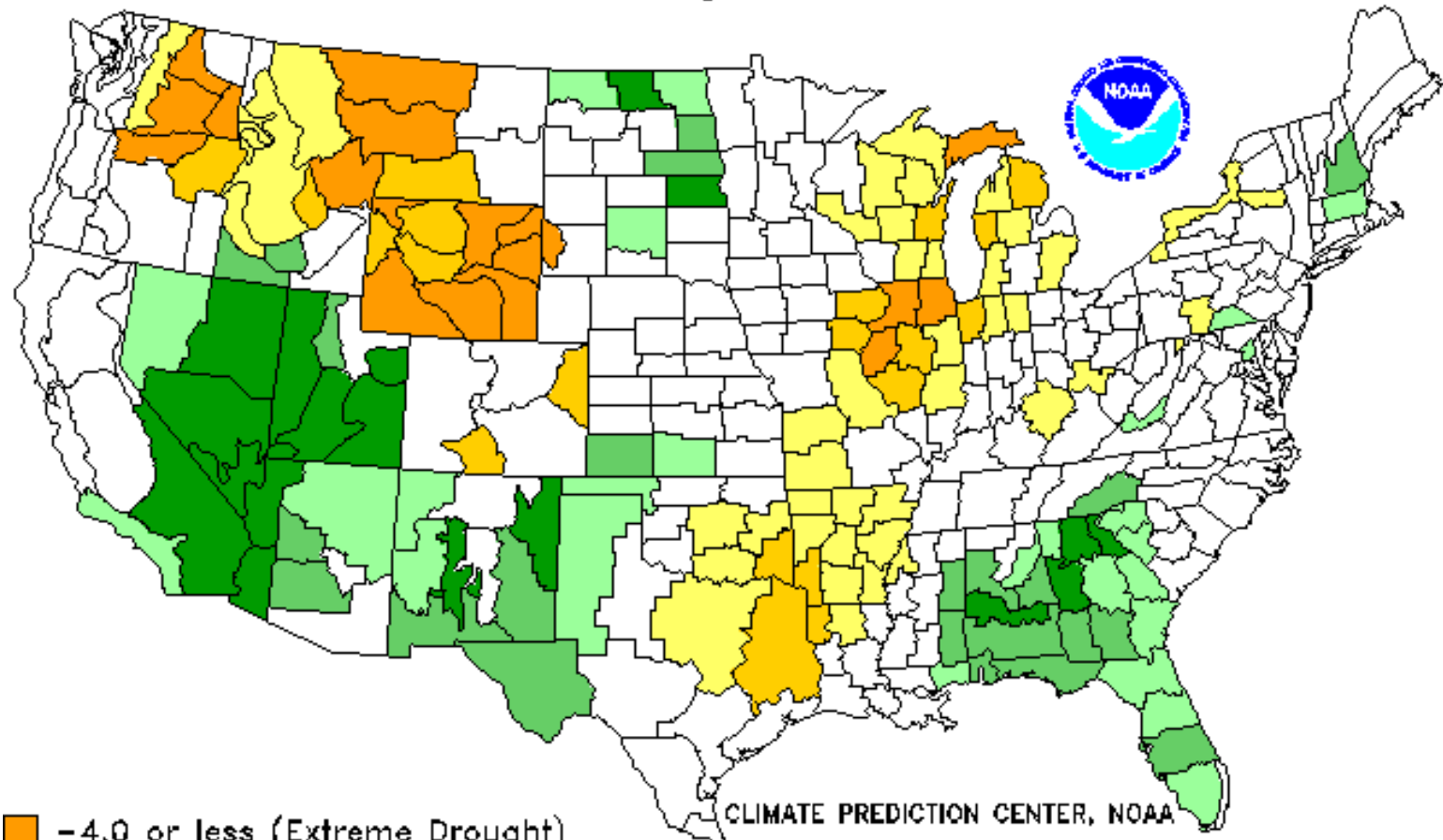


**Midwestern Regional Climate Center
Illinois State Water Survey
Champaign, Illinois**

Drought Severity Index by Division

Weekly Value for Period Ending 23 JUL 2005

Long Term Palmer

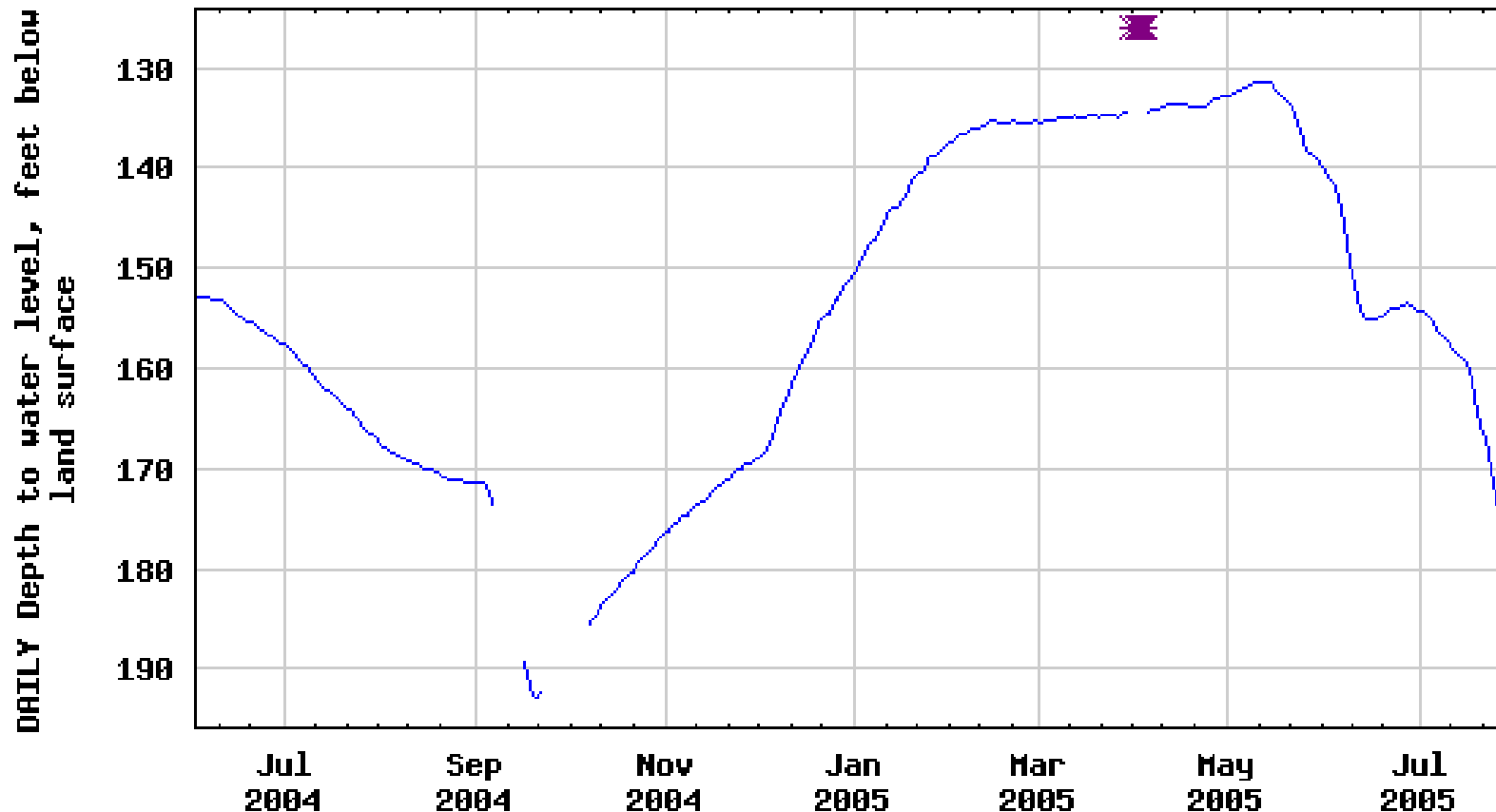


- Orange -4.0 or less (Extreme Drought)
- Yellow -3.0 to -3.9 (Severe Drought)
- Light Yellow -2.0 to -2.9 (Moderate Drought)
- White -1.9 to +1.9 (Near Normal)

- Light Green +2.0 to +2.9 (Unusual Moist Spell)
- Medium Green +3.0 to +3.9 (Very Moist Spell)
- Dark Green +4.0 and above (Extremely Moist)

Water Resources Program Monitoring Well

USGS 385718092234201 Columbia



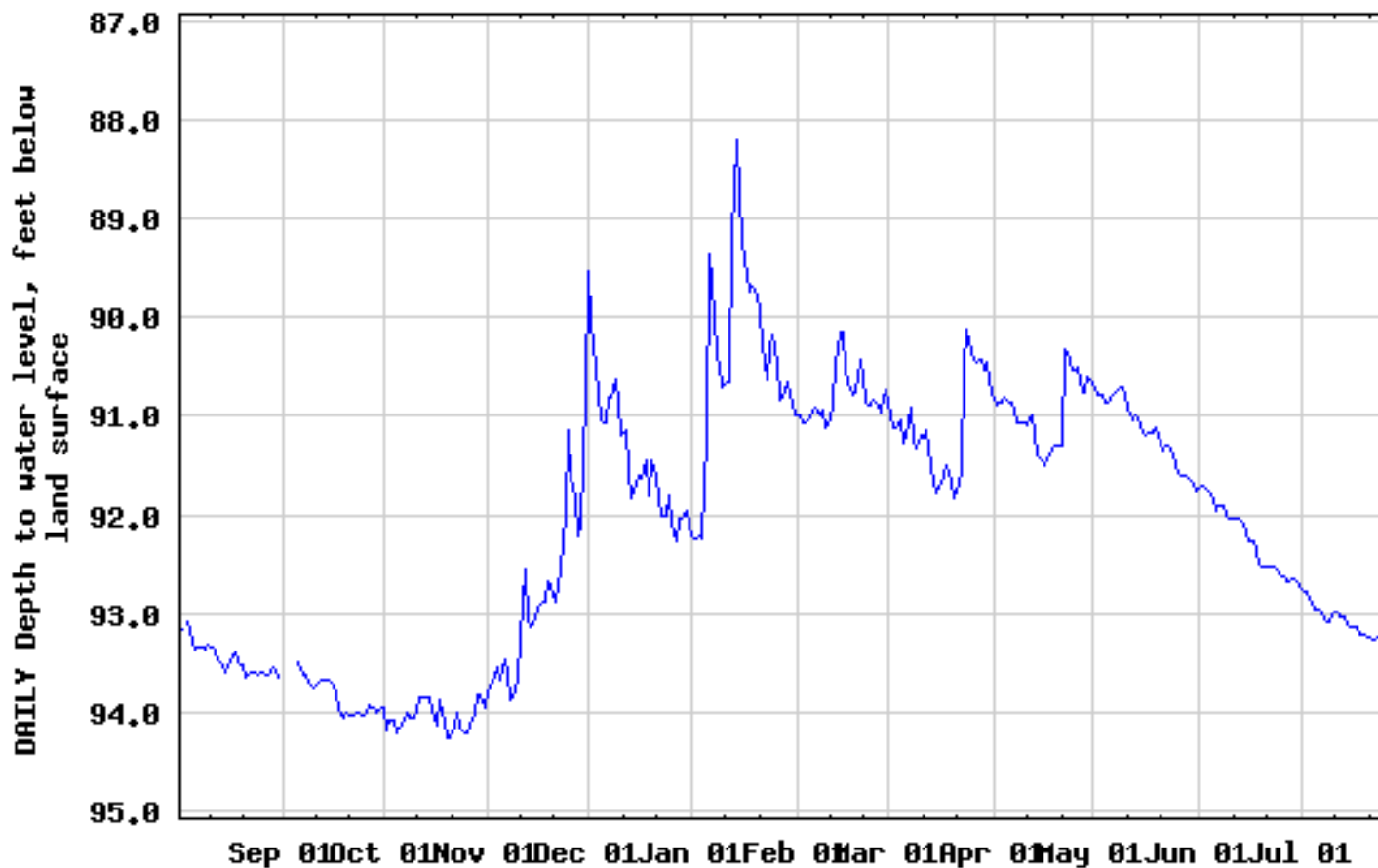
----- EXPLANATION -----

— DAILY MEAN DEPTH TO WATER LEVEL

* Equipment malfunction

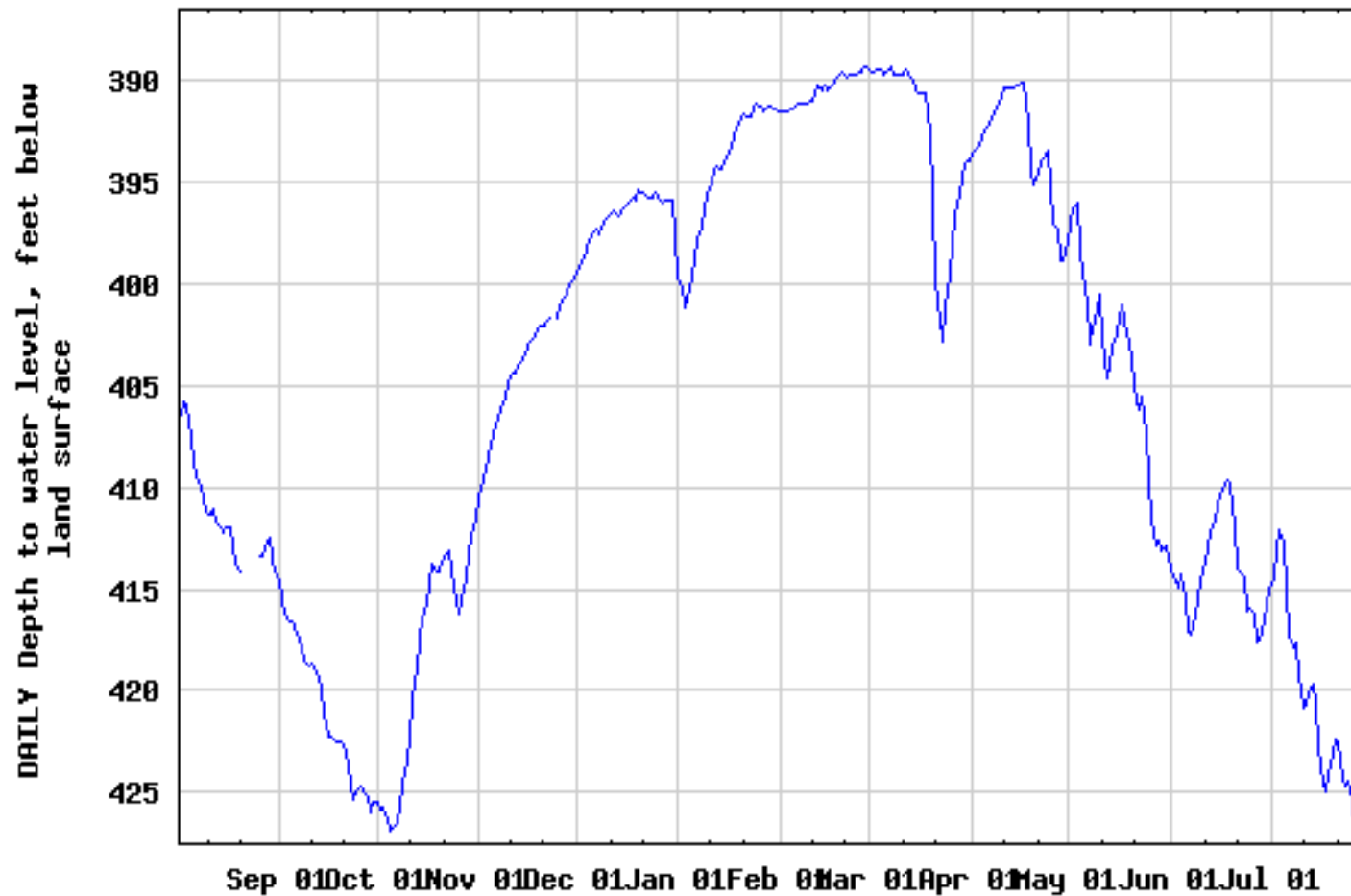
Water Resources Program Monitoring

USGS 380435090281301 South Jefferson County

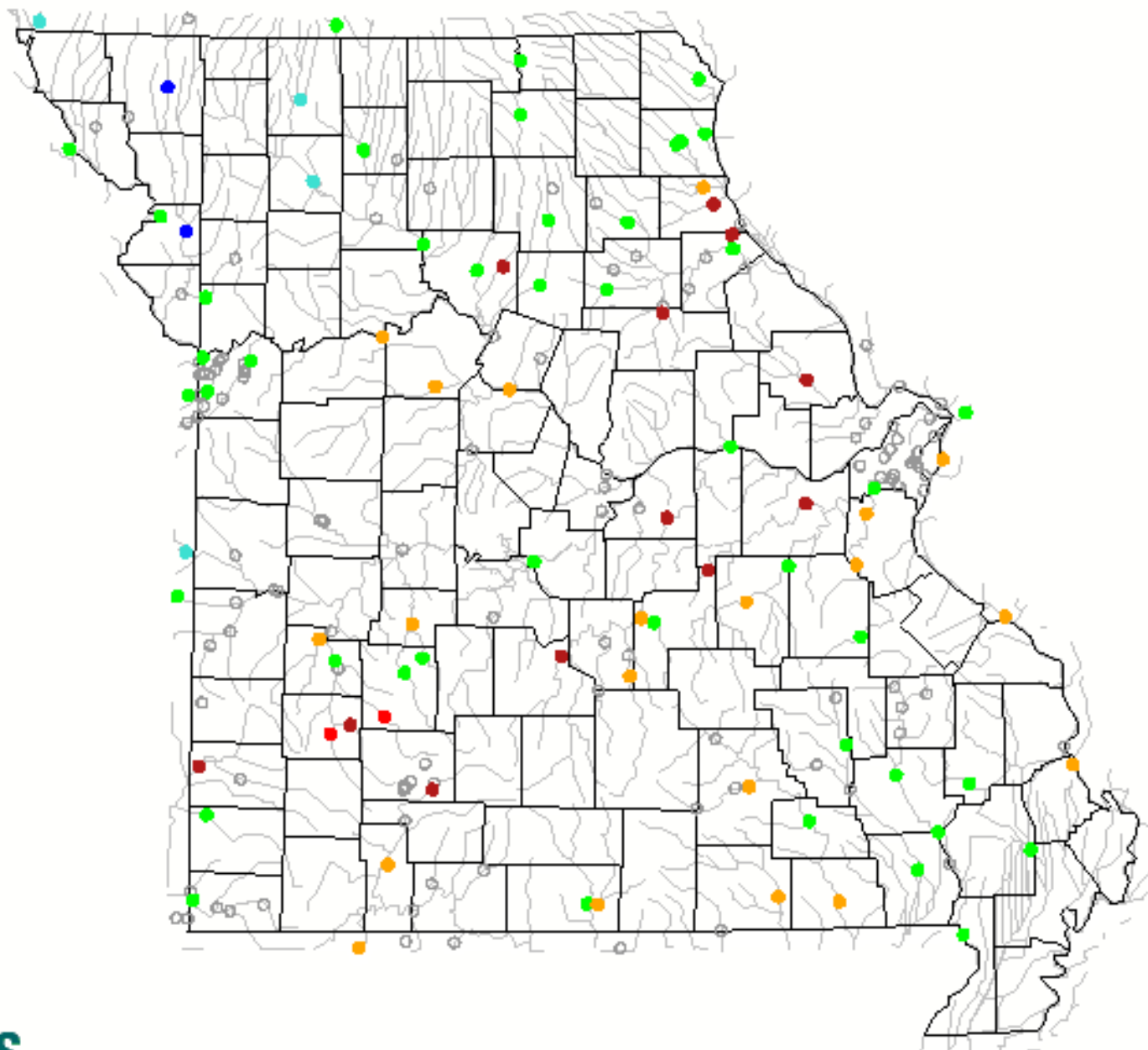


Water Resources Program Monitoring Well

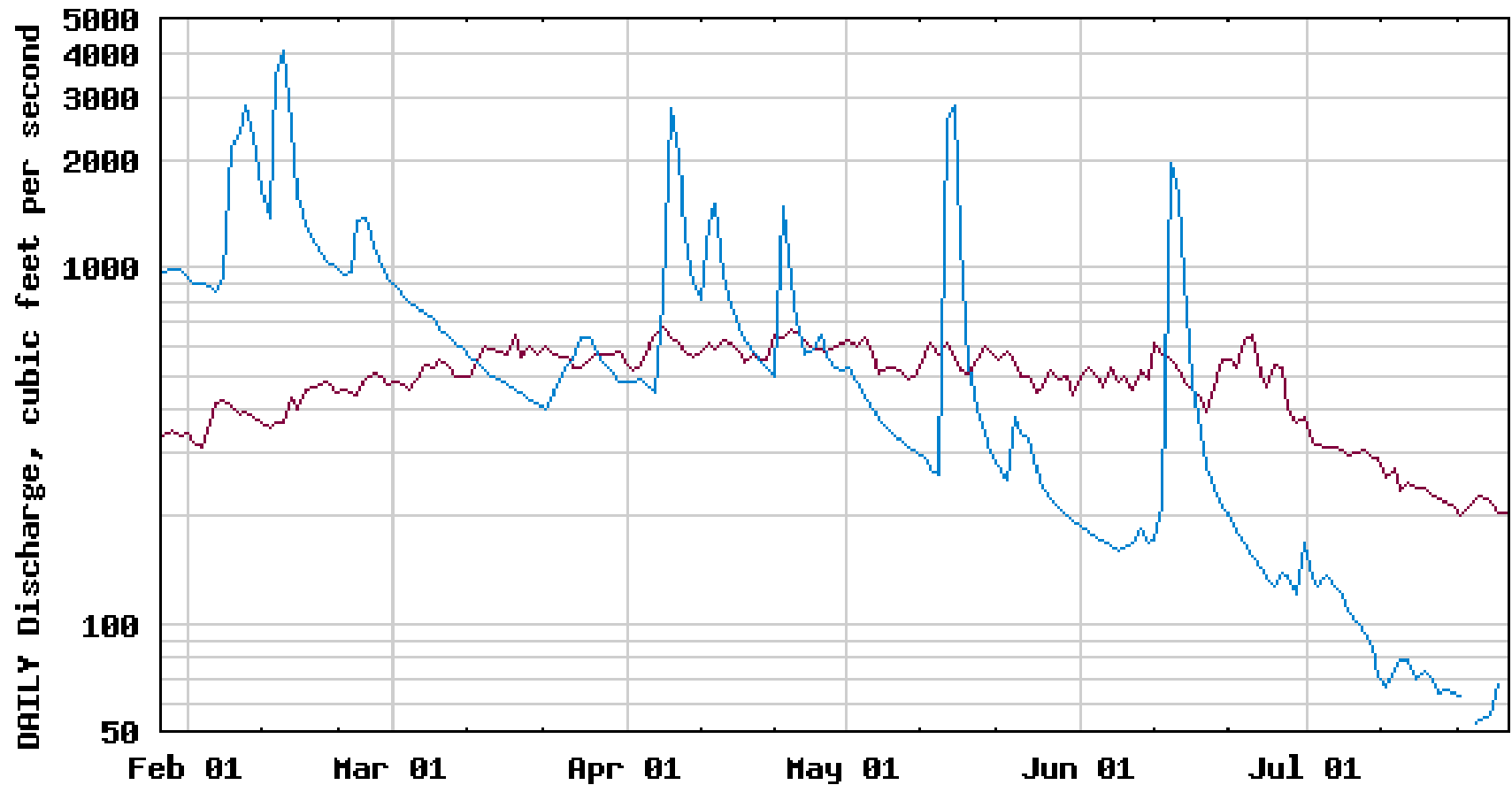
USGS 371435093134701 Springfield



Thursday, July 28, 2005 11:20ET

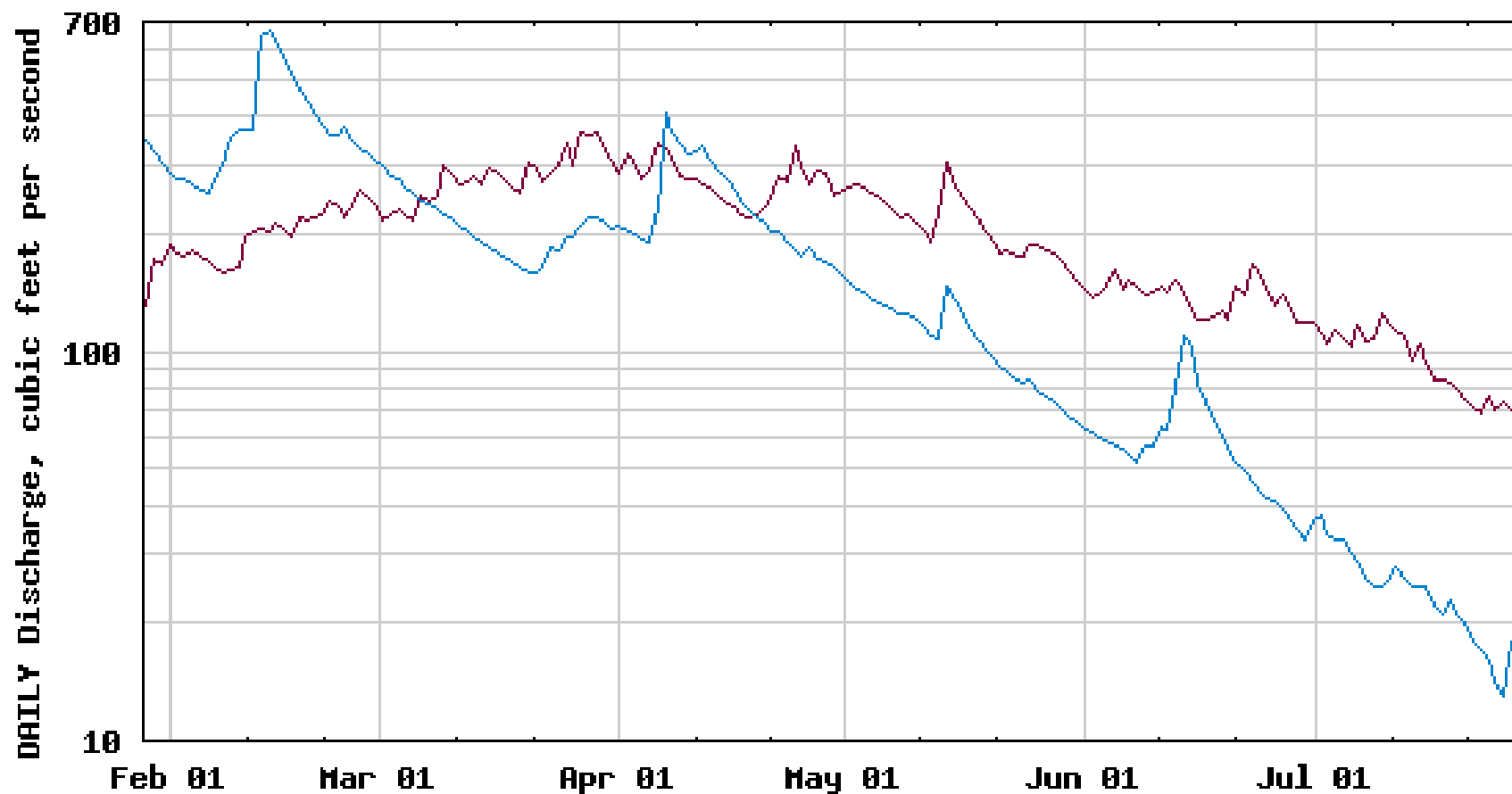


USGS 07186000 Spring River near Waco, MO



----- EXPLANATION -----
— MEDIAN DAILY STREAMFLOW BASED ON 80 YEARS OF RECORD
— DAILY MEAN DISCHARGE

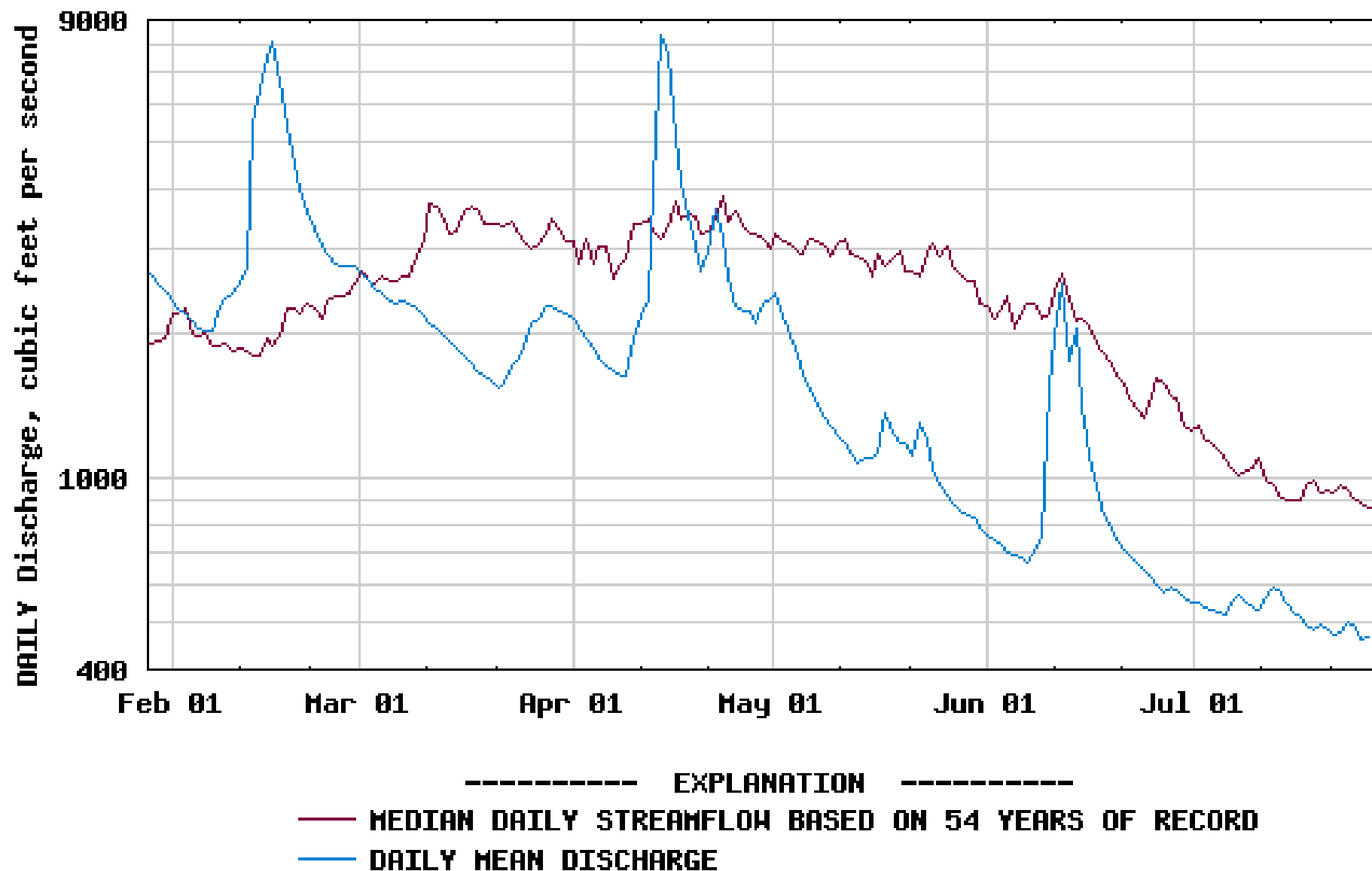
USGS 06918460 Turnback Creek above Greenfield, MO



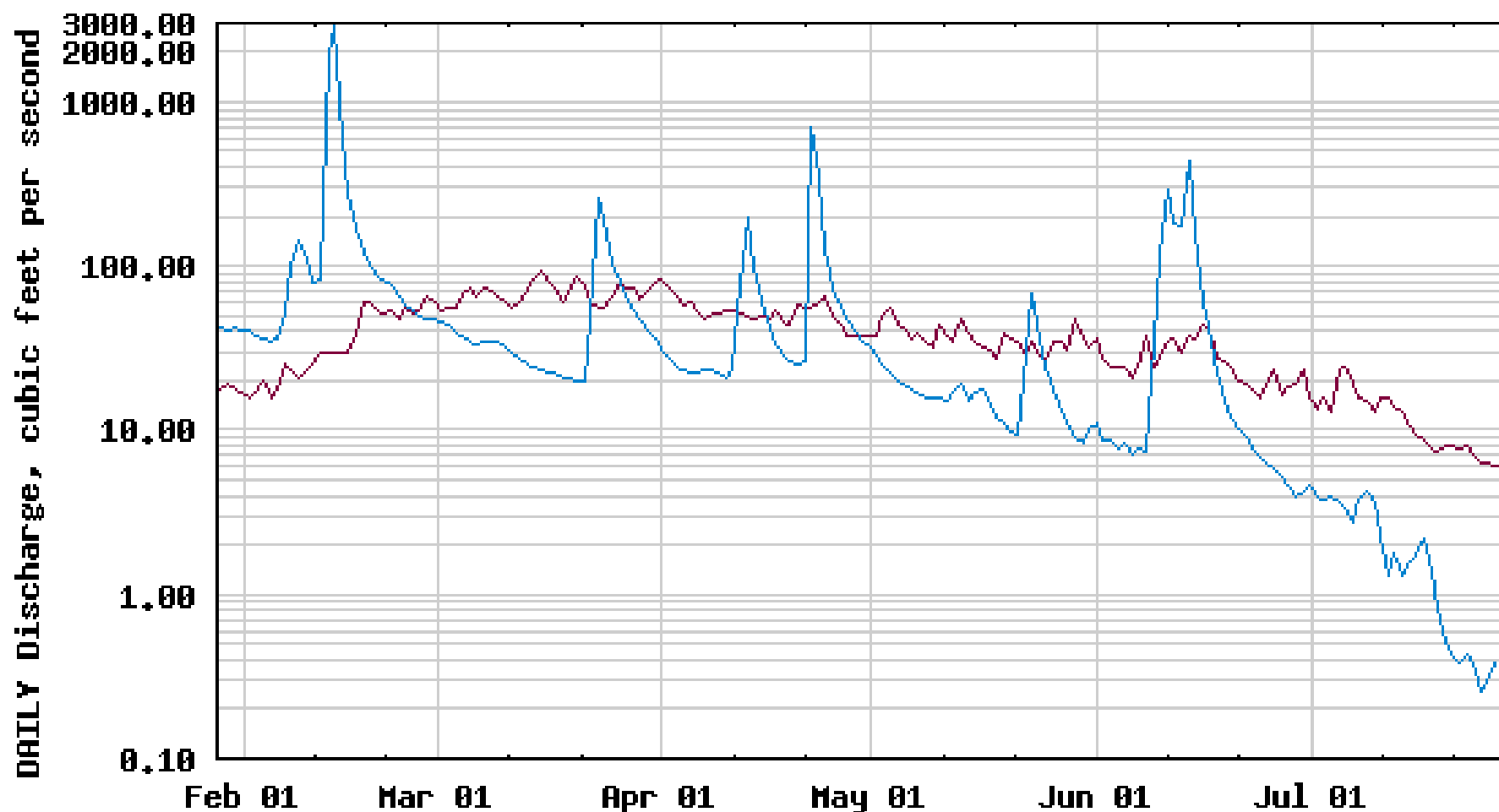
----- EXPLANATION -----

- MEDIAN DAILY STREAMFLOW BASED ON 35 YEARS OF RECORD
- DAILY MEAN DISCHARGE

USGS 06934000 Gasconade River near Rich Fountain, MO



USGS 05504800 South Fork Salt River above Santa Fe, MO



----- EXPLANATION -----

- MEDIAN DAILY STREAMFLOW BASED ON 57 YEARS OF RECORD
- DAILY MEAN DISCHARGE

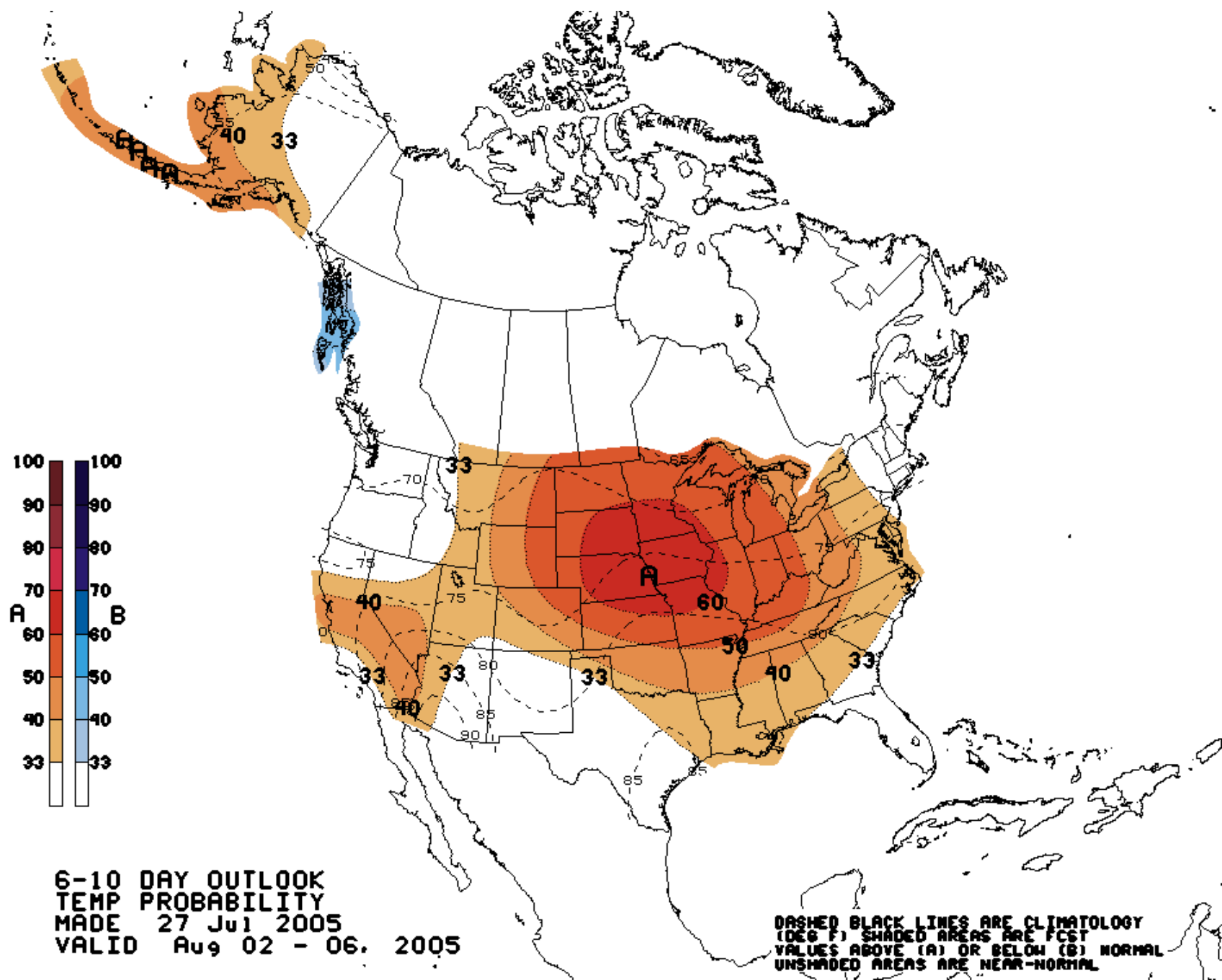
Drought Assessment Committee (DAC)

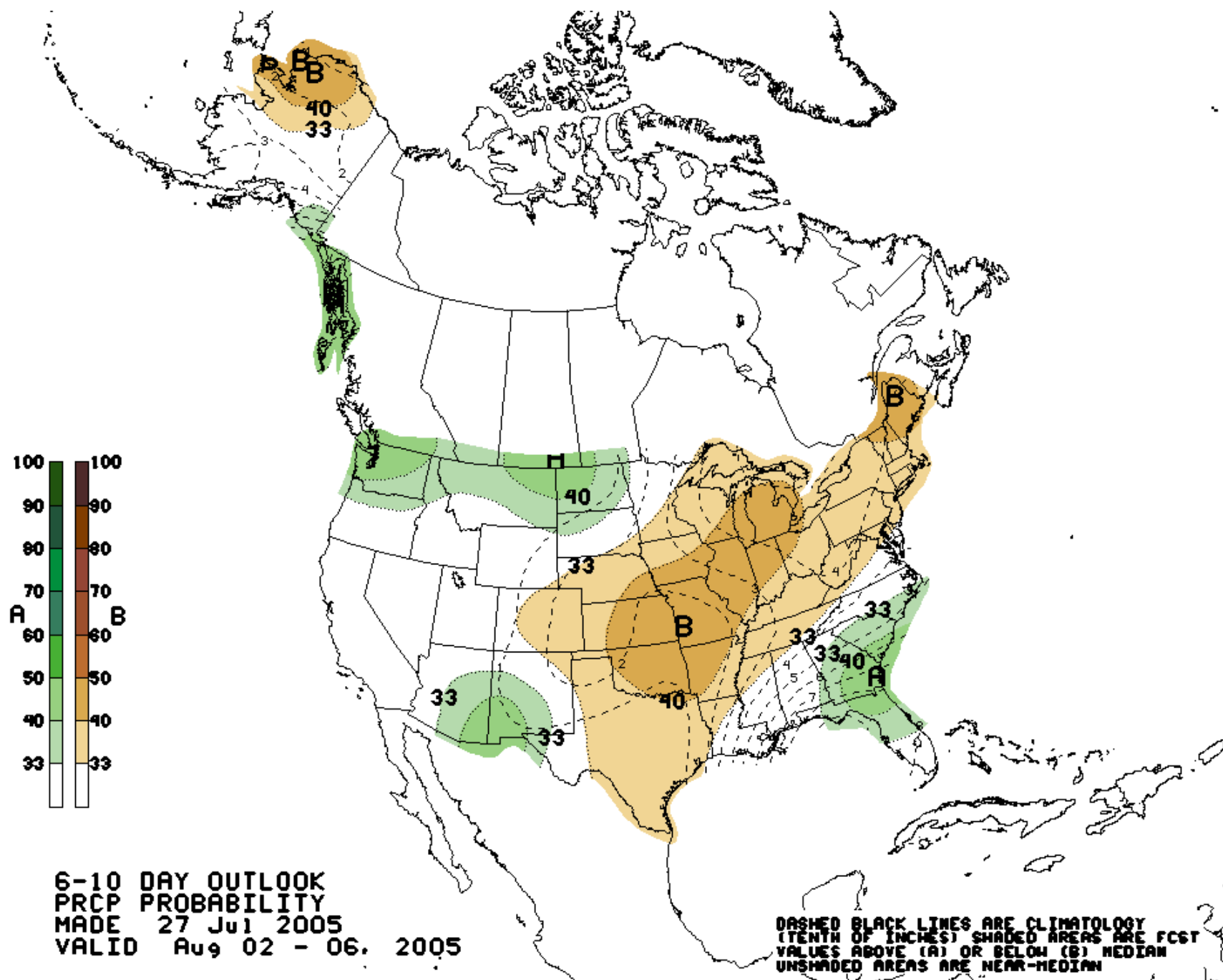
FORECAST

July 29, 2005



Department of Natural Resources

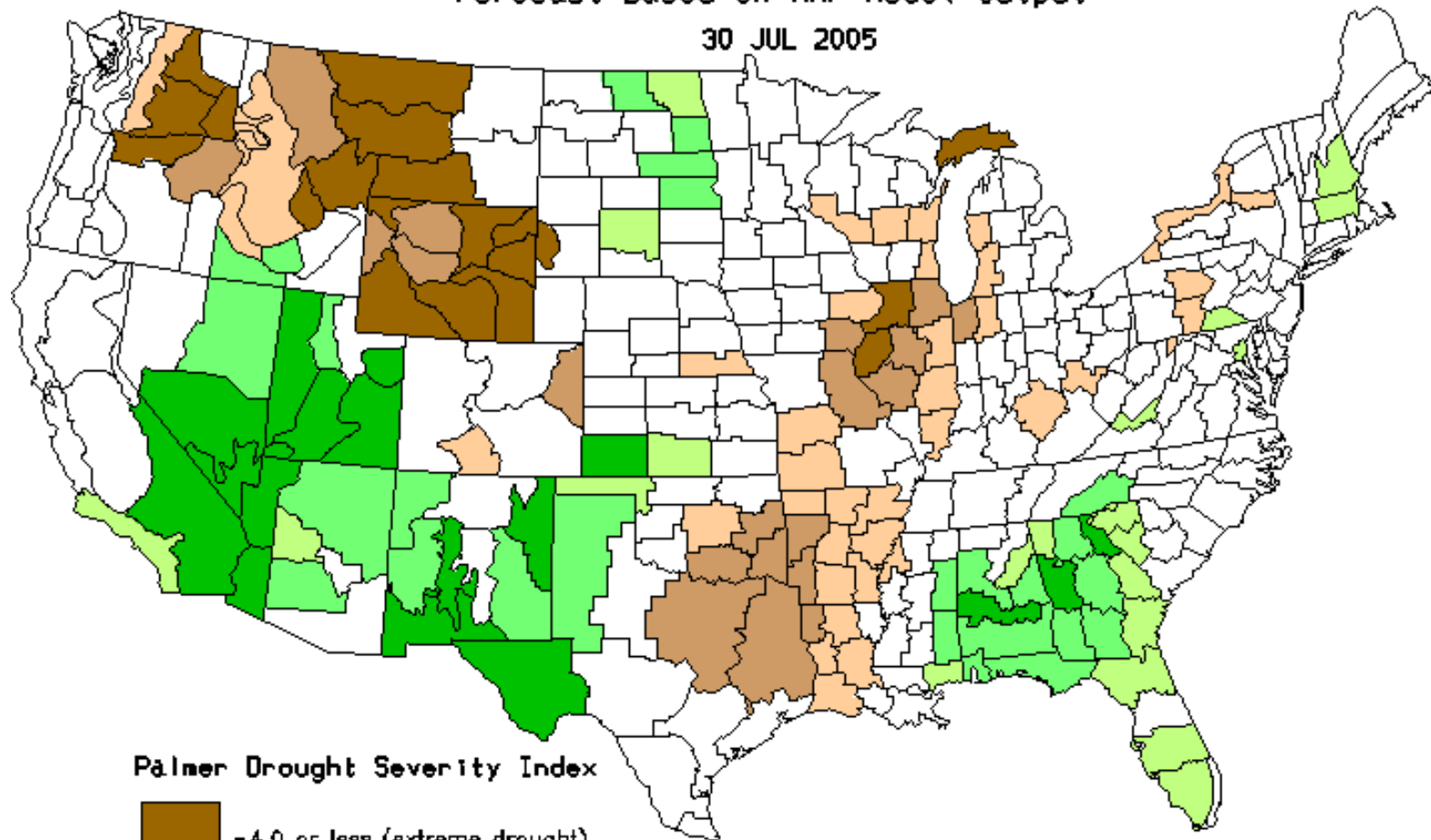




PALMER DROUGHT INDEX FORECAST BY DIVISION

Forecast Based on MRF Model Output

30 JUL 2005



Palmer Drought Severity Index



-4.0 or less (extreme drought)



-3.0 to -3.9 (severe drought)



-2.0 to -2.9 (moderate drought)



-1.9 to +1.9 (near normal)



+2.0 to +2.9 (unusual moist spell)



+3.0 to +3.9 (very moist spell)

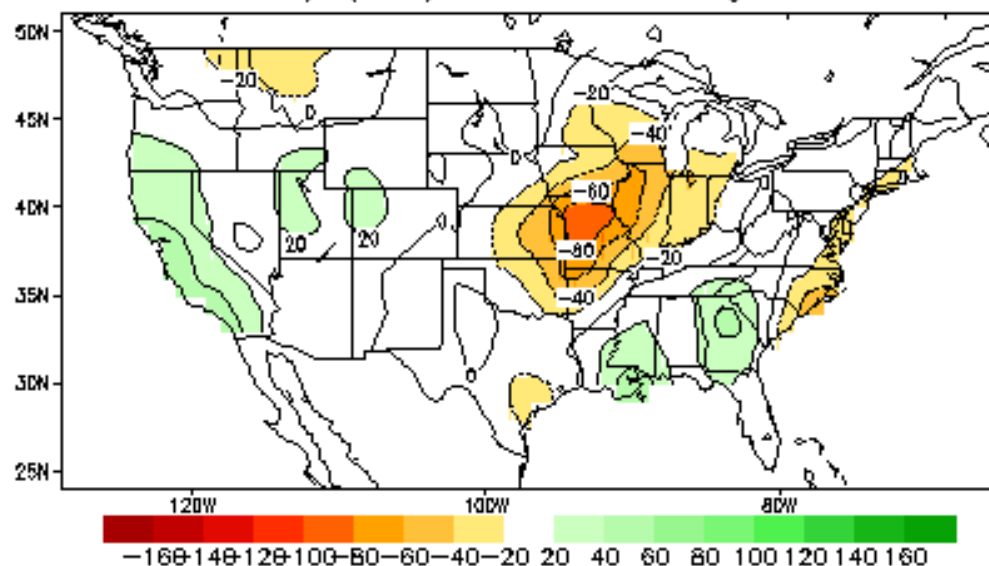


+4.0 and above (extremely moist)

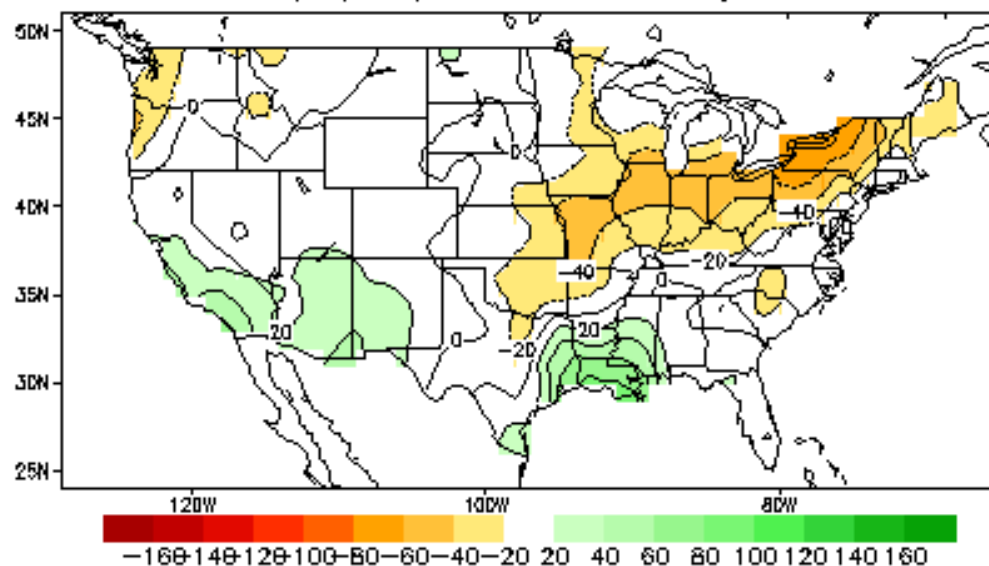


CLIMATE PREDICTION CENTER, NOAA

Lagged Averaged Soil Moisture Outlook for End of AUG2005
units: anomaly (mm), SM data ending at 20050727



Lagged Averaged Soil Moisture Outlook for End of OCT2005
units:anomaly (mm), SM data ending at 20050727





U.S. Seasonal Drought Outlook

Through October 2005

Released July 21, 2005



KEY:

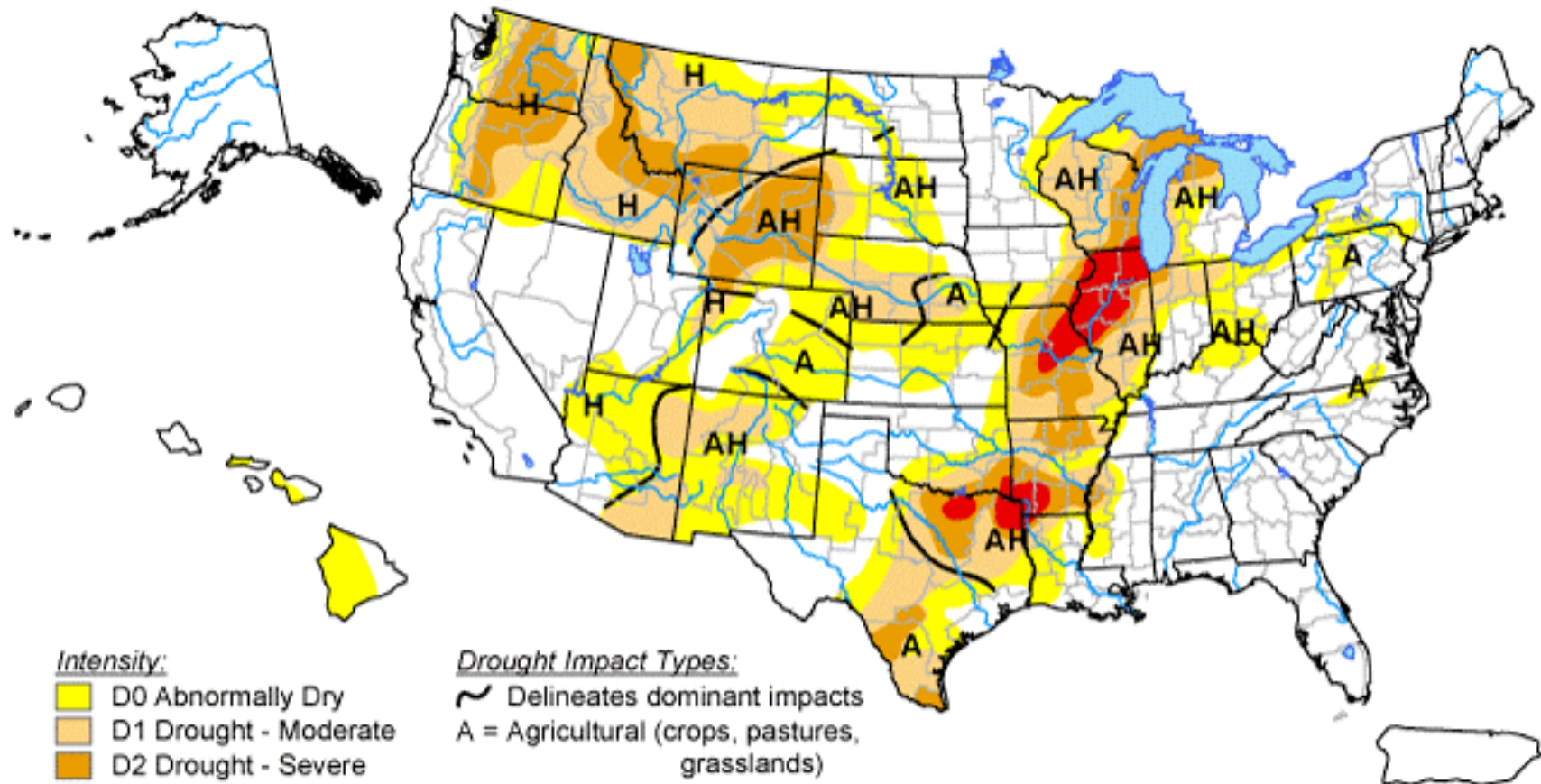
-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

Depicts general, large-scale trends based on subjectively derived probabilities guided by numerous indicators, including short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance, so use caution if using this outlook for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are schematically approximated from the Drought Monitor (D1 to D4). For weekly drought updates, see the latest Drought Monitor map and text. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

U.S. Drought Monitor

July 26, 2005

Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)
- (No type = Both impacts)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, July 28, 2005

Author: C. Tankersley/J. Enloe, NOAA/NESDIS/NCDC

<http://drought.unl.edu/dm>

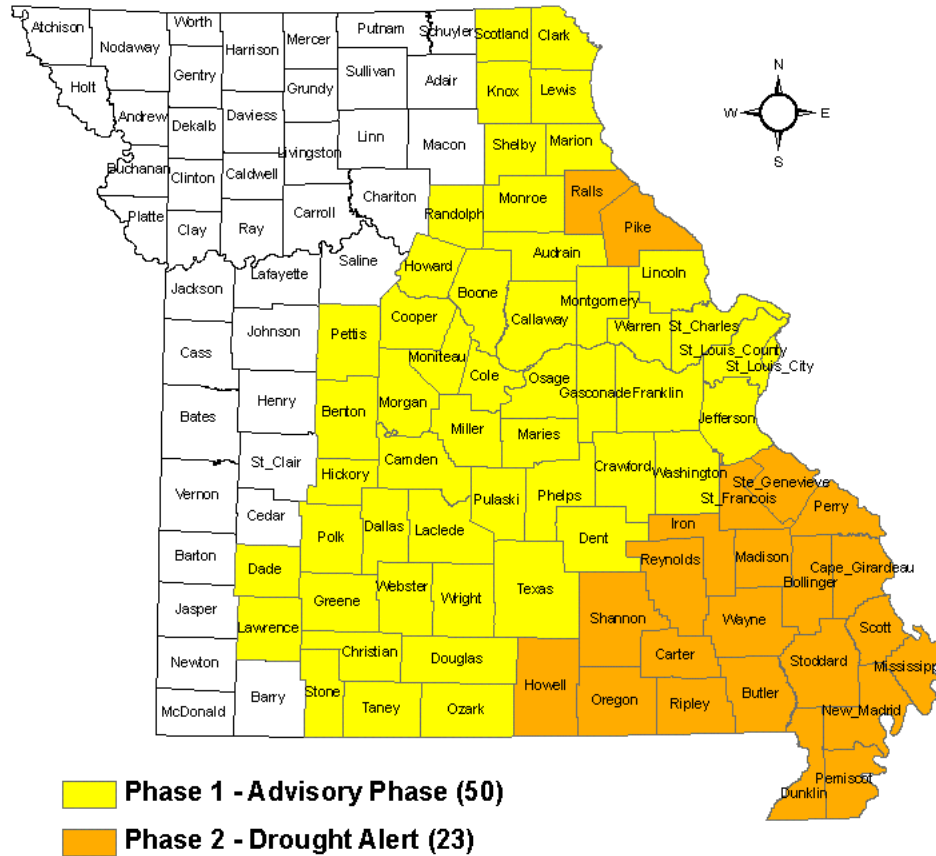
Drought Assessment Committee (DAC) STATUS MAP

July 29, 2005

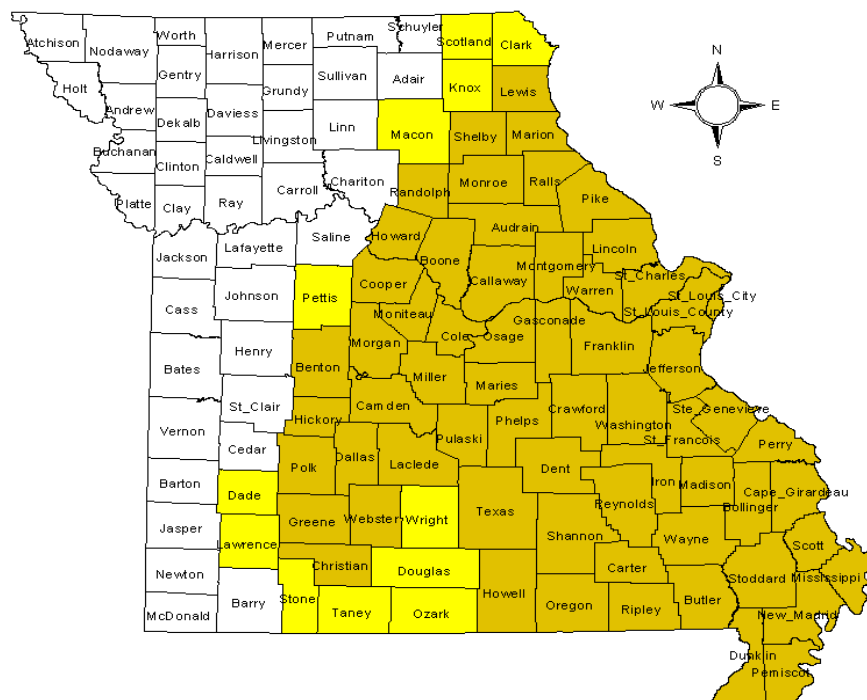


Department of Natural Resources

Interim Drought Condition Status (June 30, 2005)

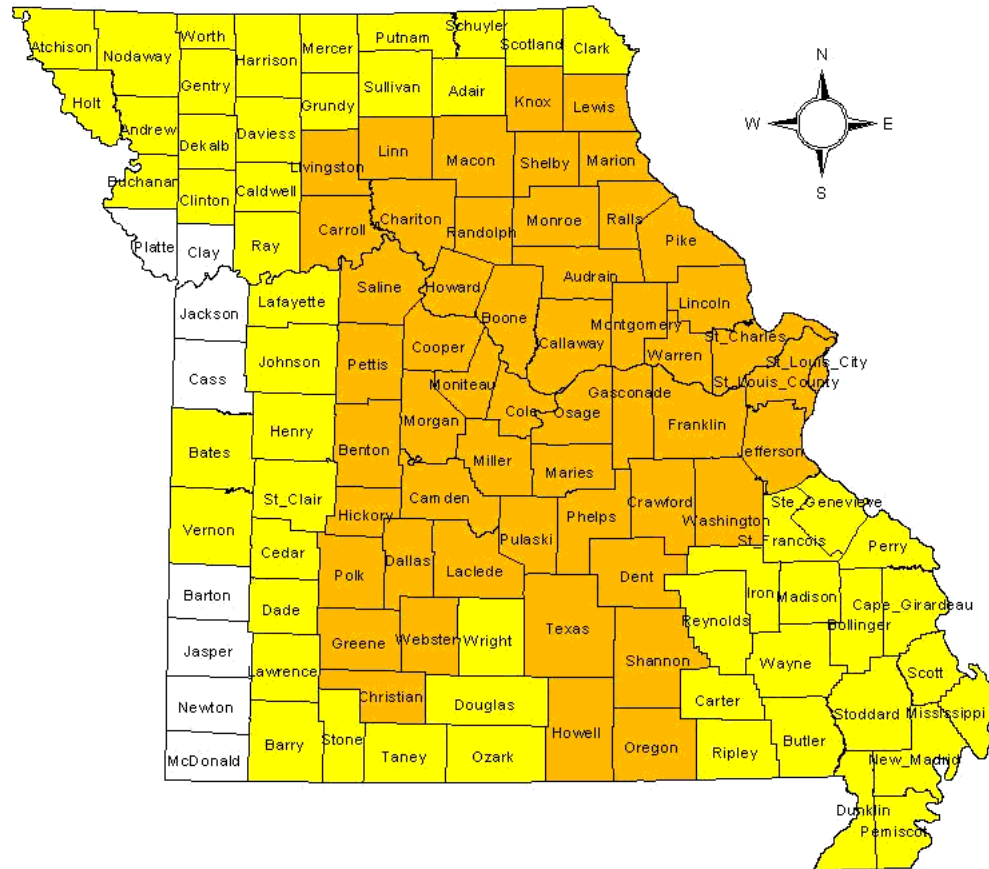


Recommended Drought Condition Status (July 8, 2005)



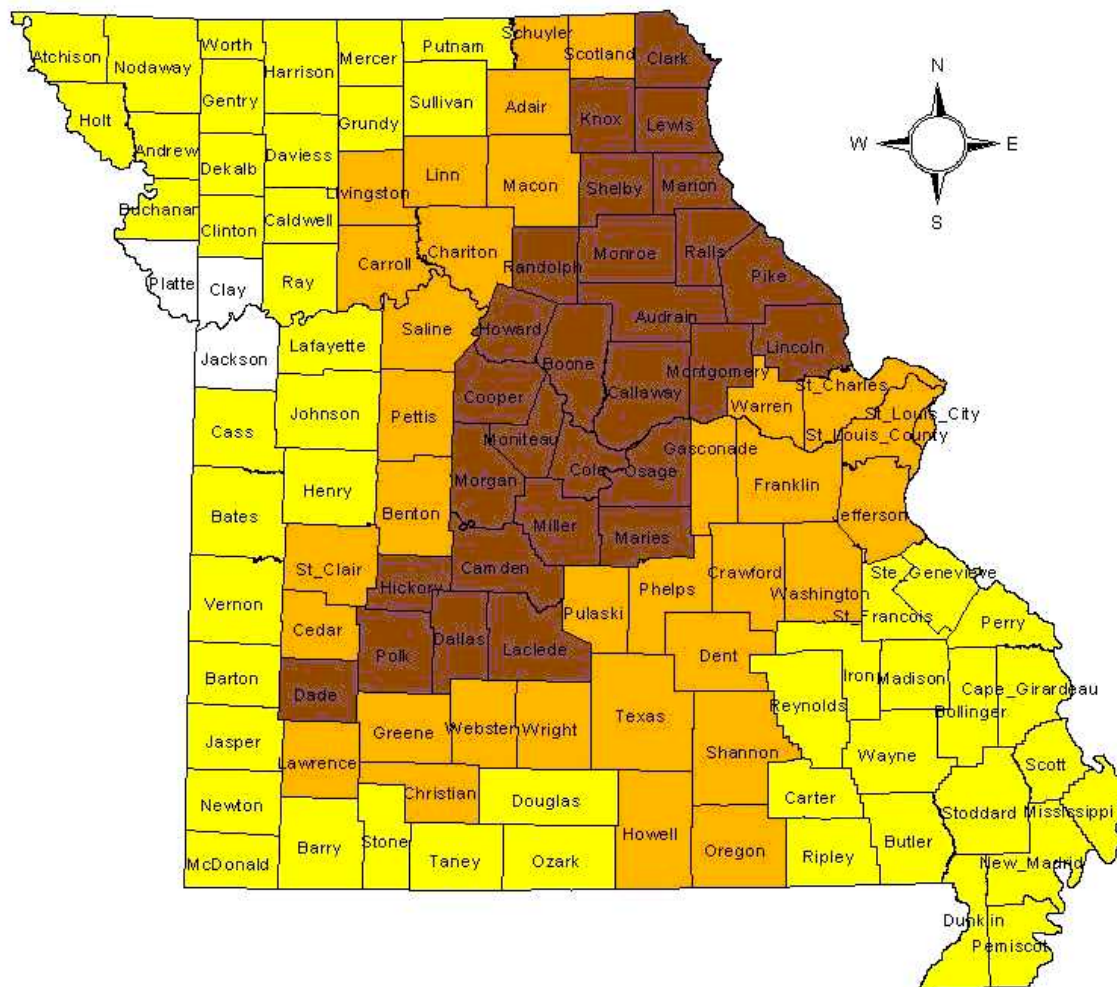
- Phase 1 - Advisory Phase (12)
- Phase 2 - Drought Alert (63)

Drought Condition Status (July 13, 2005)



- Phase 1 - Advisory Phase (54 counties)
- Phase 2 - Drought Alert (52 counties)

Recommended Drought Condition Status (July 26, 2005)



- Phase 1 - Advisory Phase (50 counties)
- Phase 2 - Drought Alert (33 counties)
- Phase 3 - Conservation Phase (28 counties)